Please amend the applications as shown below.

In the Specification

Please amend paragraph [0024] as follows:

[0024] Figure 2 shows a block diagram of a danger detector equipped with a neuro-fuzzy learning algorithm. The detector denoted by the reference symbol M is, for example, a fire detector and has three sensors 2 to 4 for fire parameters. For example, an optical sensor 2 is provided for scattered light measurement or transmitted light measurement, a temperature sensor 3 and a fire gas sensor, for example a CO sensor, 4, are also provided. The output signals of the sensors 2 to 4 are fed to a processing stage 1 that has suitable means for processing the signals 5, such as, for example, amplifiers, and then are passed to a microprocessor or microcontroller denoted as µP 6.